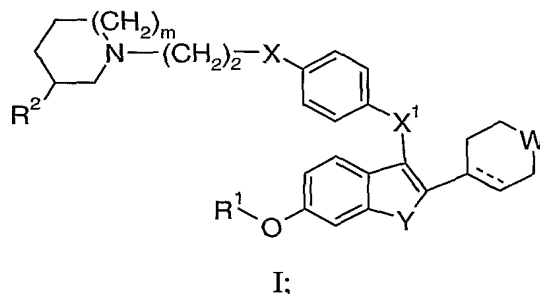


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WE CLAIM:

1. A compound of formula I:



5 wherein:

m is 0, 1 or 2;

R¹ is H, SO₂(n-C₄-C₆ alkyl) or COR³;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

10 W is CHSO₂R⁴ or SO₂;

X is O or NR⁵;

X¹ is O, CH₂, or CO;

Y is S or CH=CH;

the dashed line (---) represents an optional double bond;

15 R³ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁸R⁹, CF₃ or CH₂CF₃;

R⁵ is H or C₁-C₆ alkyl

R⁶, R⁷ and R⁸ are independently H, C₁-C₆ alkyl or phenyl; and

20 R⁹ is C₁-C₆ alkyl or phenyl; or a pharmaceutical acid addition salt thereof.

2. The compound of claim 1 wherein X and X¹ are O and m is 1 or 2.

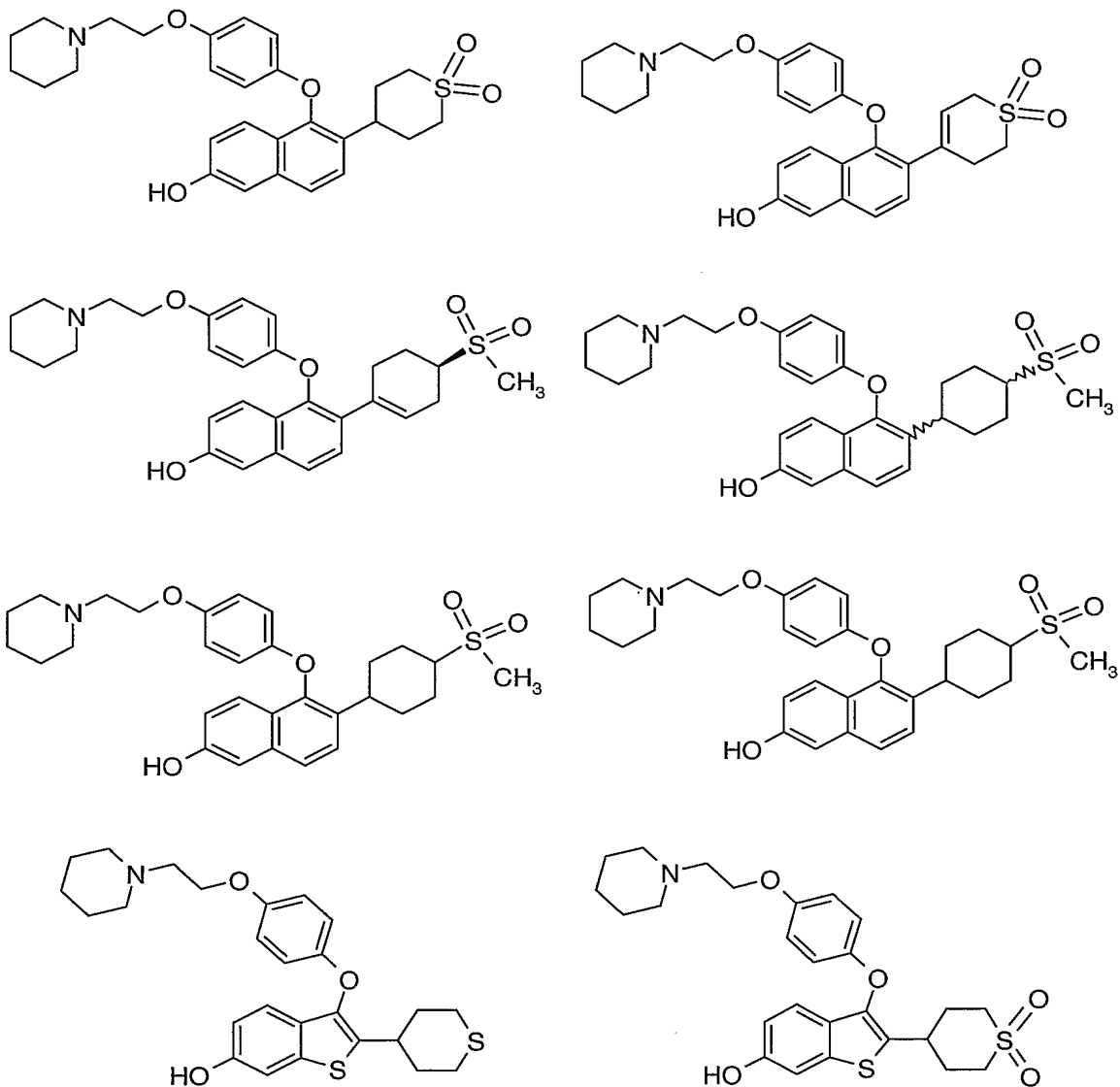
3. The compound of claim 1 or claim 2 wherein R¹ is H or COR³ and R³ is C₁-C₄ alkyl, NHCH₃ or phenyl.

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4. The compound of any one of claims 1-3 wherein R^1 is H and m is 1.
5. The compound of any one of claims 1-4 wherein Y is CH=CH.
- 5 6. The compound of any one of claims 1-5 wherein W is CHSO_2R^4 .
7. The compound of any one of claims 1-6 wherein R^4 is C_1 - C_4 alkyl, CF_3 or NR^8R^9 and R^8 is H or C_1 - C_4 alkyl and R^9 is C_1 - C_4 alkyl.
- 10 8. The compound of any one of claims 1-7 wherein R^4 is methyl, ethyl, cyclopropyl, CF_3 , NHCH_3 or $\text{N}(\text{CH}_3)_2$.
9. The compound of any one of claims 1-5 wherein W is SO_2 and the
15 optional double bond is not present.
10. A compound selected from the group consisting of:

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or a pharmaceutical acid addition salt thereof.

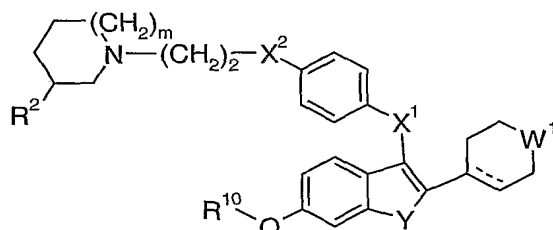
11. The compound of any one of claims 1-10 which is the hydrochloride salt.
12. A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-11.

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13. A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-11.

5 14. A compound of any one of claims 1-11 for use in treating endometriosis and/or uterine leiomyoma.

15. A compound of formula II:



10 II;

wherein:

m is 0, 1 or 2;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

15 R¹⁰ is H, C₁-C₆ alkyl, benzyl, SO₂CH₃, SO₂(n-C₄-C₆ alkyl) or COR⁴;

W¹ is CHS(O)ₙR⁴ or S(O)ₙ;

X¹ is O, CH₂, or CO;

X² is O or NR¹¹;

Y is S or CH=CH;

20 the dashed line (---) represents an optional double bond;

n is 0, 1 or 2;

R³ is OH, C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁸R⁹, CF₃ or CH₂CF₃;

25 R⁶, R⁷ and R⁸ are independently H, C₁-C₆ alkyl or phenyl;

R⁹ is C₁-C₆ alkyl or phenyl; and

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R^{11} is H, C_1 - C_6 alkyl or $CO_2(C_1$ - C_6 alkyl); provided that if n is 2, then R^{10} is C_1 - C_6 alkyl, SO_2CH_3 or benzyl or R^{11} is $CO_2(C_1$ - C_6 alkyl); or an acid addition salt thereof.

- 5 14. The compound of claim 13 wherein X^2 and Y are O and m is 1 or 2.
15. The compound of claims 13 or claim 14 wherein R^{10} is SO_2CH_3 , benzyl or methyl.
- 10 16. The compound of any one of claims 13-15 wherein m is 1.
17. The compound of any one of claims 13-16 wherein W^1 is $CHSO_nR^4$.
18. The compound of any one of claims 13-17 wherein R^4 is C_1 - C_4 alkyl, CF_3 or NR^8R^9 and R^8 is H or C_1 - C_4 alkyl and R^9 is C_1 - C_4 alkyl.
- 15 19. The compound of any one of claims 13-18 wherein R^4 is methyl, ethyl, cyclopropyl, CF_3 , $NHCH_3$ or $N(CH_3)_2$.
- 20 20. The compound of any one of claims 1-5 wherein W is SO_2 and the optional double bond is not present.